

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/694946	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 14:07
S2	37	"1111604" "1187110" "1081707" 10-289450	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 16:04
S3	1	2001-283567.NRAN.	DERWENT	OR	ON	2006/08/21 16:07
S4	1	2001-158884.NRAN.	DERWENT	OR	ON	2006/08/21 16:09
S5	58	((MASAKAZU) near2 (OGASAWARA)).INV.	US-PGPUB; USPAT	OR	ON	2006/08/22 07:56

## EAST Search History

S6	58	(US-20060028959-\$ or US-20060012847-\$ or US-20050207290-\$ or US-20050206731-\$ or US-20050180291-\$ or US-20050179969-\$ or US-20050179967-\$ or US-20050169153-\$ or US-20050163015-\$ or US-20050162719-\$ or US-20050157613-\$ or US-20050122857-\$ or US-20050094507-\$ or US-20050083824-\$ or US-20050083813-\$ or US-20050047311-\$ or US-20050013225-\$ or US-20040257485-\$ or US-20040135062-\$ or US-20040109401-\$ or US-20040108984-\$ or US-20040105374-\$ or US-20040100879-\$ or US-20040062174-\$ or US-20030035350-\$ or US-20020181367-\$).did. or (US-20020159342-\$ or US-20020105890-\$ or US-20020105889-\$ or US-20020101802-\$ or US-20020071360-\$ or US-20020048233-\$ or US-20020034108-\$ or US-20020024688-\$ or US-20020012312-\$ or US-20010033541-\$ or US-20010028028-\$).did. or (US-7031038-\$ or US-7016269-\$ or US-7012722-\$ or US-6967908-\$ or US-6909686-\$ or US-6882482-\$ or US-6859429-\$ or US-6801491-\$ or US-6690500-\$ or US-6678232-\$ or US-6628589-\$ or US-6594221-\$ or US-6370095-\$ or US-6218655-\$ or US-6172957-\$ or US-6151154-\$ or US-6141304-\$ or US-6125088-\$ or US-6124988-\$ or US-6078554-\$ or US-5999503-\$).did.	US-PGPUB; USPAT	OR	ON	2006/08/22 07:55
S8	550666	(multi\$6 or plural\$5 or many or two or three or four or second or third or fourth) near2 (layer)	US-PGPUB; USPAT	OR	ON	2006/08/22 10:46

## EAST Search History

S9	609791	(toc or (table near2 content) or calibrat\$5 or initializ\$6 or operat\$7 or (user near2 control\$5) or (order near2 play\$5)) near2 (data or info\$8 or signal or parameter)	US-PGPUB; USPAT	OR	ON	2006/08/22 10:47
S10	490885	(first or single or one) near2 layer	US-PGPUB; USPAT	OR	ON	2006/08/22 10:54
S11	553	S9 near10 S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 09:25
S12	152	S8 near20 S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 09:26
S13	42849	("369").CLAS.	US-PGPUB; USPAT	OR	ON	2006/08/22 10:57
S14	342613	(record\$4 or optical or compact or digital) near2 (medium or disk or disc)	US-PGPUB; USPAT	OR	ON	2006/08/22 10:57
S15	35	S12 and S13	US-PGPUB; USPAT	OR	ON	2006/08/22 09:27
S16	31	S12 same S14	US-PGPUB; USPAT	OR	ON	2006/08/22 09:28
S17	40	S15 or S16	US-PGPUB; USPAT	OR	ON	2006/08/22 09:32
S18	593	369/94.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 09:33
S19	610	369/53.2.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 09:33
S20	489	369/53.22.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 09:33
S21	93	369/47.52.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 09:33
S22	1744	369/275.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 09:33
S23	8476	"focus error signal"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 10:06

## EAST Search History

S24	663	S23 and (S18 or S19 or S20 or S21 or S22)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 10:11
S25	252	S24 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 10:09
S26	1584	("high-density" or HD or "high density") adj (DVD or "digital versatie disc")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 10:11
S27	120	S26 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 10:11
S28	18	S27 and (S18 or S19 or S20 or S21 or S22)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 09:28
S29	21	S23 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 10:13
S30	552506	(dual or multi\$6 or plural\$5 or many or two or three or four or second or third or fourth) near2 (layer)	US-PGPUB; USPAT	OR	ON	2006/08/22 10:47
S31	938782	((toc or (table near2 content) or (control\$5)) near2 (data or info\$8 or signal or parameter)) or ("lead-in" or "lead in" or "lead-in area" or "lead in area") or (laser near2 (power or intensity)) or ((start or begin\$4) near2 address)	US-PGPUB; USPAT	OR	ON	2006/08/22 11:01
S32	490885	(first or single or one) near2 layer	US-PGPUB; USPAT	OR	ON	2006/08/22 10:55

## EAST Search History

S33	1657	S31 near10 S32	US-PGPUB; USPAT	OR	ON	2006/08/22 11:03
S34	671	S30 near20 S33	US-PGPUB; USPAT	OR	ON	2006/08/22 11:04
S35	42849	("369").CLAS.	US-PGPUB; USPAT	OR	ON	2006/08/22 10:57
S36	342613	(record\$4 or optical or compact or digital) near2 (medium or disk or disc)	US-PGPUB; USPAT	OR	ON	2006/08/22 10:57
S37	265	S34 and S35	US-PGPUB; USPAT	OR	ON	2006/08/22 11:05
S38	188	S34 same S36	US-PGPUB; USPAT	OR	ON	2006/08/22 10:58
S39	300	S37 or S38	US-PGPUB; USPAT	OR	ON	2006/08/22 10:59
S40	937571	(control\$5 near2 (data or info\$8 or signal or parameter)) or ("lead-in" or "lead in" or "lead-in area" or "lead in area") or (laser near2 (power or intensity)) or ((start or begin\$4) near2 address)	US-PGPUB; USPAT	OR	ON	2006/08/22 11:02
S41	1653	S40 near10 S32	US-PGPUB; USPAT	OR	ON	2006/08/22 11:04
S42	669	S30 near20 S41	US-PGPUB; USPAT	OR	ON	2006/08/22 11:04
S43	265	S42 and S35	US-PGPUB; USPAT	OR	ON	2006/08/22 11:05
S44	185	S42 same S36	US-PGPUB; USPAT	OR	ON	2006/08/22 11:06
S45	298	S43 or S44	US-PGPUB; USPAT	OR	ON	2006/08/22 11:08
S47	593	369/94.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 11:08
S48	610	369/53.2.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 11:08
S49	489	369/53.22.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 11:08
S50	93	369/47.52.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 11:08
S51	1744	369/275.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/22 11:08
S52	104	S45 and (S47 or S48 or S49 or S50 or S51)	US-PGPUB; USPAT	OR	ON	2006/08/22 13:39

## EAST Search History

S55	20	("20020024902" "20020114245" "20020159353" "20030033475" "20030133369" "20030163638" "20030223338" "20040057366" "20040090886" "20040133739" "20040160875" "20040213117" "5881032" "5930225" "5966721" "0579525" "6072759" "6076135" "6154806" "6456584"). PN.	US-PGPUB; USPAT	OR	ON	2006/08/22 13:45
S74	120	S68 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 10:51
S75	6328	(determin\$4 or establish\$4 or discriminat\$4 or detect\$4 or indicat\$4 or identif\$4 or decid\$4) WITH (((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near2 layer) or "multi-layer" or "multilayer") with (((single or first or one or mono) near2 layer) or "mono-layer" or "monolayer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 14:19
S77	10232	(determin\$4 or establish\$4 or discriminat\$4 or detect\$4 or indicat\$4 or identif\$4 or decid\$4) WITH (((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near4 layer) or "multi-layer" or "multilayer") with (((single or first or one or mono) near4 layer) or "mono-layer" or "monolayer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 14:22
S78	8518	(determin\$4 or establish\$4 or discriminat\$4 or detect\$4 or indicat\$4 or identif\$4 or decid\$4) WITH (((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near3 layer) or "multi-layer" or "multilayer") with (((single or first or one or mono) near3 layer) or "mono-layer" or "monolayer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:07
S79	3518	(CPU or "central processing unit") and (optical near2 ("pick-up" or "pick up" or pickup))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 14:24

## EAST Search History

S80	81	S78 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 15:06
S82	1080	(cd and dvd and (drive or apparatus or device)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 15:07
S83	4	(cd and dvd and (drive or apparatus or device)).ti. and "369".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 15:08
S84	7488531	(cd and dvd and compatible (drive or apparatus or device)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 15:09
S85	17	(cd and dvd and compatible and (drive or apparatus or device)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 15:09
S86	1	1998-449301.NRAN.	DERWENT	OR	ON	2006/08/25 15:35
S87	13	("5003521"   "5665957"   "5671203"   "5742575"   "5757745"   "5790493"   "5802029"   "5831953"   "5903531"   "5917791"   "6034935"   "6222803"   "6321028").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 16:23
S88	1048	"base material thickness"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:03
S89	466480	((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near3 layer) or "multi-layer" or "multilayer") and (((single or first or one or mono) near3 layer) or "mono-layer" or "monolayer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:07

## EAST Search History

S90	249	S88 and S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:08
S91	27	S90 and "369".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:09
S92	4	(cd with dvd) with "same" with "base material thickness"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:10



## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	466480	((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near3 layer) or "multi-layer" or "multilayer" and (((single or first or one or mono) near3 layer) or "mono-layer" or "monolayer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:39
L2	367775	((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near3 layer) or "multi-layer" or "multilayer" and (((single or first or one or mono) near3 layer) or "mono-layer" or "monolayer")	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:23
L4	557	(distance near4 "recording layer") and "100" ".mu.m"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:42
L5	49	(distance near4 "recording layer") WITH "100" ".mu.m"	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 14:46
L17	40	L5 AND L2	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 14:46
L18	14	(distance or thickness) near3 ((beam near2 inciden\$3) near2 surface) near10 "recording layer"	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 14:57
L22	14	((distance or thickness) near3 ((beam near2 inciden\$3) near2 surface)) with "recording layer"	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 14:58
L23	83	((distance or thickness) near3 ((beam near2 inciden\$3) near2 surface))	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:20
L24	6	L23 and cd and DVD	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 14:59
L25	649	"base material thickness"	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:13
L31	242	L25 and L2	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:22
L32	27	L31 and "369".clas.	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:11

## EAST Search History

L33	4	"base material thickness" with "same" with (CD and DVD)	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:14
L34	3	"base material thickness" with (equal\$8 or identical) with (CD and DVD)	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:14
L35	117	distance near4 "recording layer" and (multilayer or "multi layer" or "multi-layer") and ("single layer" or "monolayer" or "mono layer" or "mono-layer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 15:17
L36	11	l35 and ((beam near2 inciden\$3) near2 surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 15:17
L37	112	("100" ".mu.m") with ((beam near2 inciden\$3) near2 surface)	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:21
L38	12	l31 and (optical adj dis\$1).ti.	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:22
L39	13949	((((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near3 layer) or "multi-layer" or "multilayer") and (((single or first or one or mono) near3 layer) or "mono-layer" or "monolayer") and "same thickness"	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:23
L40	371	(((((multi\$4 or plural\$5 or many or two or dual or double or triple or three) near3 layer) or "multi-layer" or "multilayer") and (((single or first or one or mono) near3 layer) or "mono-layer" or "monolayer"))) with "same thickness"	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:24
L41	11	l40 and "369".clas.	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:31
L42	54	(cd with dvd) with (thickness or distance) with "recording layer"	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:40
L43	48	l42 and "369".clas.	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:33

## EAST Search History

L44	0	(cd with dvd) with (thickness or distance) with "recording layer" with ((beam near2 inciden\$4) near2 surface)	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:32
L45	0	(cd with dvd) with (thickness or distance) with "recording layer" with (beam near2 inciden\$4)	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:33
L46	60	((single near2 layer) or monolayer or (mono near2 layer)) with (multilayer or "multi layer" or (multi\$4 near2 layer))) with (thickness or distance) with ("recording layer" or (reflecti\$4 near2 layer))	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:48
L47	17	l46 and "369".clas.	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:42
L48	43	l46 not l47	US-PGPUB; USPAT; EPO	OR	ON	2006/08/27 15:48
S1	115	(cd near2 dvd) with ("same" or identical or equal or equivalent) with thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:17
S2	74	S1 and "369".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:24
S3	117	distance near4 "recording layer" and (multilayer or "multi layer" or "multi-layer") and ("single layer" or "monolayer" or "mono layer" or "mono-layer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 15:16
S4	81	S3 and "369".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:29
S5	1	10/694946	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/27 14:30